

s explosion or bomb
 20854 EXPLOSION
 6850 BOMB
 L1 27214 EXPLOSION OR BOMB
 => s l1 and (polyolefin fiber? or aramid fiber? or polyvinyl alcohol fiber?)
 25478 POLYOLEFIN
 213769 FIBER?
 1201 POLYOLEFIN FIBER?
 (POLYOLEFIN(W) FIBER?)
 5009 ARAMID
 213769 FIBER?
 2806 ARAMID FIBER?
 (ARAMID(W) FIBER?)
 100501 POLYVINYL
 202912 ALCOHOL
 213769 FIBER?
 588 POLYVINYL ALCOHOL FIBER?
 (POLYVINYL(W) ALCOHOL(W) FIBER?)
 L2 75 L1 AND (POLYOLEFIN FIBER? OR ARAMID FIBER? OR POLYVINYL ALC
 OHO
 L FIBER?)
 => s l2 and (cargo or luggage or baggage)
 10426 CARGO
 4728 LUGGAGE
 1599 BAGGAGE
 L3 12 L2 AND (CARGO OR LUGGAGE OR BAGGAGE)
 => d l3 1-12

1. 5,595,337, Jan. 21, 1997, Sputtering device and target with cover to hold cooling fluid; Richard E. Demaray, et al., 228/193, 262.71 [IMAGE AVAILABLE]

② 5,591,933, Jan. 7, 1997, Constructions having improved penetration resistance; Hsin L. Li, et al., 89/36.02; 156/93; 428/102, 911 [IMAGE AVAILABLE]

3. 5,565,071, Oct. 15, 1996, Integrated sputtering target assembly; Richard E. Demaray, et al., 204/192.12, 192.13, 298.03, 298.07 [IMAGE AVAILABLE]

4. 5,545,455, Aug. 13, 1996, Constructions having improved penetration resistance; Dusan C. Prevorsek, et al., 428/76; 2/2.5; 428/102, 113, 252, 287, 298, 303, 377, 911 [IMAGE AVAILABLE]

5. 5,487,822, Jan. 30, 1996, Integrated sputtering target assembly; Richard E. Demaray, et al., 204/298.09, 298.12 [IMAGE AVAILABLE]
6. 5,433,835, Jul. 18, 1995, Sputtering device and target with cover to hold cooling fluid; Richard E. Demaray, et al., 204/298.09, 298.12, 298.2 [IMAGE AVAILABLE]
7. 5,337,693, Aug. 16, 1994, Internal liners for oil tankers or barges to minimize oil spills; Philip E. Ross, et al., 114/69, 228 [IMAGE AVAILABLE]
8. 4,774,044, Sep. 27, 1988, Flame retardant **polyolefin** **fiber**;
Bobby L. Cline, et al., 264/210.6, 211; 523/351; 524/291, 371, 412 [IMAGE AVAILABLE]
9. 4,631,956, Dec. 30, 1986, Air deployed oceanographic mooring; Robert G. Walden, et al., 73/170.29; 441/25, 33 [IMAGE AVAILABLE]
10. 4,605,337, Aug. 12, 1986, Expedient runway surfacing with post tensioning system for expeditionary airfields; Preston S. Springston, et al., 404/35, 40, 45, 73 [IMAGE AVAILABLE]
11. 4,580,987, Apr. 8, 1986, Mooring line lockup mechanism; Robert G. Walden, 441/25, 21, 23, 24 [IMAGE AVAILABLE]
12. 4,420,400, Dec. 13, 1983, Hydrocarbon products damage control systems; William Weitzen, 210/710; 137/13; 210/728, 732, 925; 241/65 [IMAGE AVAILABLE]
- => s 11 and (polyacrylonitrile fiber? or liquid copolyester fiber? or polyamide fiber?)

11313 POLYACRYLONITRILE
213769 FIBER?
1063 POLYACRYLONITRILE FIBER?
(POLYACRYLONITRILE (W) FIBER?)
533368 LIQUID
3706 COPOLYESTER

213769 FIBER?
0 LIQUID COPOLYESTER FIBER?
(LIQUID (W) COPOLYESTER (W) FIBER?)

46553 POLYAMIDE
213769 FIBER?
4284 POLYAMIDE FIBER?
(POLYAMIDE (W) FIBER?)

L4 56 L1 AND (POLYACRYLONITRILE FIBER? OR LIQUID COPOLYESTER FIBE

R?

OR POLYAMIDE FIBER?)

=> s 14 and (cargo or baggage or luggage)

10426 CARGO

1599 BAGGAGE

4728 LUGGAGE

L5 1 L4 AND (CARGO OR BAGGAGE OR LUGGAGE)

=> d 15

1. 5,553,639, Sep. 10, 1996, Container and method for transporting finely divided or dried coal; Stewart E. Erickson, 137/347; 105/359, 423; 220/1.5; 383/902 [IMAGE AVAILABLE]

=> s 14 and container?

233475 CONTAINER?

L6 11 L4 AND CONTAINER?

=> d 16 1-11

1. 5,553,639, Sep. 10, 1996, **Container** and method for transporting finely divided or dried coal; Stewart E. Erickson, 137/347; 105/359, 423; 220/1.5; 383/902 [IMAGE AVAILABLE]

2. 4,828,699, May 9, 1989, Process for the production of microporous polybenzimidazole articles; John W. Soehngen, 210/500.28; 264/41; 521/64, 180, 184, 185, 189 [IMAGE AVAILABLE]

3. 4,474,052, Oct. 2, 1984, Laboratory barricade; Frank T. Bodurtha, Jr., et al., 73/35.17 [IMAGE AVAILABLE]

4. 4,393,106, Jul. 12, 1983, Laminated plastic **container** and process for preparation thereof; Yoshitsugu Maruhashi, et al., 428/36.7; 156/229, 244.13; 215/12.2; 264/512, 514, 537, 540; 427/412.3, 412.4, 412.5 [IMAGE AVAILABLE]

5. 4,274,526, Jun. 23, 1981, Inflatable structures of rubberized fabric; Gerald S. Sims, 193/25B; 182/48; 244/137.2 [IMAGE AVAILABLE]

6. 4,188,268, Feb. 12, 1980, Process for an electrode for a lead battery; Yujiro Sugahara, et al., 205/63; 429/228 [IMAGE AVAILABLE]

7. 4,064,086, Dec. 20, 1977, Thermoplastic hydrogels; Donald Roy Cowsar, et al., 524/601, 602, 608; 525/420, 424, 425, 437, 440, 444; 528/73, 183, 291, 341, 354; 549/265, 323, 510; 560/179; 564/134 [IMAGE AVAILABLE]

8. 4,005,762, Feb. 1, 1977, Rescue apparatus; Gerard Zephinie, 182/48 [IMAGE AVAILABLE]

9. 3,977,495, Aug. 31, 1976, Rescue apparatus; Gerard Zephinie, 182/48; 193/25E, 25S, 34 [IMAGE AVAILABLE]

10. 3,973,644, Aug. 10, 1976, Rescue apparatus; Gerard Zephinie, 182/47, 48; 193/25R [IMAGE AVAILABLE]

11. 3,615,212, Oct. 26, 1971, METHOD OF MANUFACTURING CARBON FIBERS; Ian Whitney, et al., 423/453; 8/115.54; 423/447.6 [IMAGE AVAILABLE]

=> s l1 and (glass or carbon) fiber?

MISSING OPERATOR 'CARBON) FIBER?'

=> s l1 and (glass fiber? or carbon fiber?)

318498 GLASS

213769 FIBER?

38611 GLASS FIBER?

(GLASS(W) FIBER?)

373038 CARBON

213769 FIBER?

13532 CARBON FIBER?

(CARBON(W) FIBER?)

L7 783 L1 AND (GLASS FIBER? OR CARBON FIBER?)

=> s l7 and (luggage or cargo or baggage)

4728 LUGGAGE

10426 CARGO

1599 BAGGAGE

L8 17 L7 AND (LUGGAGE OR CARGO OR BAGGAGE)

=> d l8 1-17

1. 5,591,933, Jan. 7, 1997, Constructions having improved penetration resistance; Hsin L. Li, et al., 89/36.02; 156/93; 428/102, 911 [IMAGE AVAILABLE]

2. 5,545,455, Aug. 13, 1996, Constructions having improved penetration resistance; Dusan C. Prevorsek, et al., 428/76; 2/2.5; 428/102, 113, 252, 287, 298, 303, 377, 911 [IMAGE AVAILABLE]

3. 5,545,450, Aug. 13, 1996, Molded articles having an inorganically filled organic polymer matrix; Per J. Andersen, et al., 428/34.5; 206/524.3, 524.7, 819; 428/35.6, 35.7, 36.4, 36.5, 53, 152, 182, 220, 294, 312.4, 312.6, 313.9, 317.9, 339, 532, 906 [IMAGE AVAILABLE]

4. 5,394,786, Mar. 7, 1995, Acoustic/shock wave attenuating assembly; Guy L. Gettle, et al., 86/50; 89/36.02; 102/303; 181/0.5, 286; 367/191 [IMAGE AVAILABLE]

5. 5,267,665, Dec. 7, 1993, Hardened ****luggage**** container; Mohsen Sanai, et al., 220/88.1, 444, 454, 455; 428/34.7 [IMAGE AVAILABLE]
 6. 5,238,102, Aug. 24, 1993, Transport container; Hans-Thilo Langer, 206/3; 220/1.5 [IMAGE AVAILABLE]
 7. 5,225,622, Jul. 6, 1993, Acoustic/shock wave attenuating assembly; Guy L. Gettle, et al., 86/50; 89/36.02; 102/303; 181/0.5, 286; 367/191 [IMAGE AVAILABLE]
 8. 4,719,263, Jan. 12, 1988, Antistatic plastic materials containing epihalohydrin polymers; James P. Barnhouse, et al., 525/187; 260/DIG.17; 525/64, 403, 404, 405, 407, 408 [IMAGE AVAILABLE]
 9. 4,686,804, Aug. 18, 1987, Prefabricated panelized nuclear-hardened shelter; Randley A. Smith, 52/169.6, 81.4, 293.1; 109/1S, 68, 79; 403/330 [IMAGE AVAILABLE]
 10. 4,605,095, Aug. 12, 1986, Vertical elongated chute; Kenichi Koizumi, 182/48; 193/25R [IMAGE AVAILABLE]
 11. 4,417,782, Nov. 29, 1983, Fiber optic temperature sensing; Raymond Clarke, et al., 385/13; 250/577; 320/35; 356/44, 256; 359/900; 385/126, 145 [IMAGE AVAILABLE]
 12. 4,055,247, Oct. 25, 1977, ****Explosion**** containment device; William B. Benedick, et al., 206/3; 86/50; 206/591; 220/288 [IMAGE AVAILABLE]
 13. 3,966,144, Jun. 29, 1976, Duct system for wind gust alleviation of aircraft and suspended containerized loads; Edwin Zenith Gabriel, 244/17.11 [IMAGE AVAILABLE]
 14. 3,875,886, Apr. 8, 1975, Liquified-gas ship; Rolf Dieter Glasfeld, et al., 114/74A [IMAGE AVAILABLE]
 15. 3,864,927, Feb. 11, 1975, METHOD AND APPARATUS FOR STORAGE, TRANSPORT, AND USE OF CRYOGENIC GASES IN SOLID FORM; Chou H. Li, 62/54.3, 240; 114/74A; 220/88.3; 403/28 [IMAGE AVAILABLE]
 16. 3,822,919, Jul. 9, 1974, APPARATUS AND METHOD FOR FLUIDIZING AND HANDLING PARTICULATES; Lars C. Strom, 406/90; 222/195; 406/85 [IMAGE AVAILABLE]
 17. 3,814,275, Jun. 4, 1974, CRYOGENIC STORAGE VESSEL; Carl Robert Lemons, 220/428, 450, 453, 901 [IMAGE AVAILABLE]
- => s 11 and fiber? and matrix

213769 FIBER?

129671 MATRIX

L9 509 L1 AND FIBER? AND MATRIX

=> s l1 and fiber? and resin and (polyethylene or polyurethane or epoxy)

213769 FIBER?

235101 RESIN

184007 POLYETHYLENE

66418 POLYURETHANE

98606 EPOXY

L10 710 L1 AND FIBER? AND RESIN AND (POLYETHYLENE OR POLYURETHANE O
R E

POXY)

=> s l10 and (cargo or luggage or baggage)

10426 CARGO

4728 LUGGAGE

1599 BAGGAGE

L11 18 L10 AND (CARGO OR LUGGAGE OR BAGGAGE)

=> d l11 1-18

1. 5,599,082, Feb. 4, 1997, Hardened aircraft unit load device; Paul F. —
Mlakar, et al., 312/409, 140, 293.3 [IMAGE AVAILABLE]

2. 5,595,431, Jan. 21, 1997, Strengthened hardened aircraft unit load —
device; Paul F. Mlakar, 312/409, 140, 293.3 [IMAGE AVAILABLE]

3. 5,591,933, Jan. 7, 1997, Constructions having improved penetration
resistance; Hsin L. Li, et al., 89/36.02; 156/93; 428/102, 911 [IMAGE
AVAILABLE]

4. 5,545,455, Aug. 13, 1996, Constructions having improved penetration
resistance; Dusan C. Prevorsek, et al., 428/76; 2/2.5; 428/102, 113, 252,
287, 298, 303, 377, 911 [IMAGE AVAILABLE]

5. 5,545,450, Aug. 13, 1996, Molded articles having an inorganically
filled organic polymer matrix; Per J. Andersen, et al., 428/34.5;
206/524.3, 524.7, 819; 428/35.6, 35.7, 36.4, 36.5, 53, 152, 182, 220,
294, 312.4, 312.6, 313.9, 317.9, 339, 532, 906 [IMAGE AVAILABLE]

6. 5,413,410, May 9, 1995, Telescoping hardened aircraft unit load —
device; Paul F. Mlakar, 312/409, 140, 293.3 [IMAGE AVAILABLE]

7. 5,337,693, Aug. 16, 1994, Internal liners for oil tankers or barges
to minimize oil spills; Philip E. Ross, et al., 114/69, 228 [IMAGE
AVAILABLE]

8. 5,318,251, Jun. 7, 1994, Protective flexible boot; Eugene H. Bergh, 244/121; 150/166; 244/129.1 [IMAGE AVAILABLE]
 9. 5,142,997, Sep. 1, 1992, Projectile resisting space dividing system; Ronald B. DeLong, et al., 109/49.5; 52/239; 109/10, 82 [IMAGE AVAILABLE]
 10. 4,774,044, Sep. 27, 1988, Flame retardant polyolefin **fiber**;
Bobby L. Cline, et al., 264/210.6, 211; 523/351; 524/291, 371, 412 [IMAGE AVAILABLE]
 11. 4,719,263, Jan. 12, 1988, Antistatic plastic materials containing epihalohydrin polymers; James P. Barnhouse, et al., 525/187; 260/DIG.17; 525/64, 403, 404, 405, 407, 408 [IMAGE AVAILABLE]
 12. 4,686,804, Aug. 18, 1987, Prefabricated panelized nuclear-hardened shelter; Randley A. Smith, 52/169.6, 81.4, 293.1; 109/1S, 68, 79; 403/330 [IMAGE AVAILABLE]
 13. 4,420,400, Dec. 13, 1983, Hydrocarbon products damage control systems; William Weitzen, 210/710; 137/13; 210/728, 732, 925; 241/65 [IMAGE AVAILABLE]
 14. 4,303,695, Dec. 1, 1981, Crinkle emboss and method; Thomas J. McCann, et al., 427/495; 156/79; 427/257, 373, 412.1, 412.4, 510, 514; 428/152, 158, 172, 282, 318.6, 319.7, 334, 904.4, 908.8 [IMAGE AVAILABLE]
 15. 4,231,805, Nov. 4, 1980, Vapor stripping process; Robert C. Petterson, et al., 134/11, 22.18, 31, 37, 38, 40 [IMAGE AVAILABLE]
 16. 3,912,664, Oct. 14, 1975, Recovery of flexible and rigid materials from scrap polyvinylchloride, its copolymers and cogeners; Eugene Wainer, 521/46.5; 528/487, 491, 492, 495, 497, 498, 499, 501 [IMAGE AVAILABLE]
 17. 3,822,919, Jul. 9, 1974, APPARATUS AND METHOD FOR FLUIDIZING AND HANDLING PARTICULATES; Lars C. Strom, 406/90; 222/195; 406/85 [IMAGE AVAILABLE]
 18. 3,814,275, Jun. 4, 1974, CRYOGENIC STORAGE VESSEL; Carl Robert Lemons, 220/428, 450, 453, 901 [IMAGE AVAILABLE]
- => s 11 and fiber? and resin and (vulcanizate or nylon or thermoplastic)

213769 FIBER?

235101 RESIN

1429 VULCANIZATE

86293 NYLON

90576 THERMOPLASTIC

L12 399 L1 AND FIBER? AND RESIN AND (VULCANIZATE OR NYLON OR THERMO
PLA

STIC)

=> s l12 and (cargo or baggage or luggage)

10426 CARGO

1599 BAGGAGE

4728 LUGGAGE

L13 7 L12 AND (CARGO OR BAGGAGE OR LUGGAGE)

=> d l13 1-7

1. 5,591,933, Jan. 7, 1997, Constructions having improved penetration resistance; Hsin L. Li, et al., 89/36.02; 156/93; 428/102, 911 [IMAGE AVAILABLE]

2. 5,545,455, Aug. 13, 1996, Constructions having improved penetration resistance; Dusan C. Prevorsek, et al., 428/76; 2/2.5; 428/102, 113, 252, 287, 298, 303, 377, 911 [IMAGE AVAILABLE]

3. 5,337,693, Aug. 16, 1994, Internal liners for oil tankers or barges to minimize oil spills; Philip E. Ross, et al., 114/69, 228 [IMAGE AVAILABLE]

4. 4,774,044, Sep. 27, 1988, Flame retardant polyolefin **fiber**; Bobby L. Cline, et al., 264/210.6, 211; 523/351; 524/291, 371, 412 [IMAGE AVAILABLE]

5. 4,719,263, Jan. 12, 1988, Antistatic plastic materials containing epihalohydrin polymers; James P. Barnhouse, et al., 525/187; 260/DIG.17; 525/64, 403, 404, 405, 407, 408 [IMAGE AVAILABLE]

6. 4,686,804, Aug. 18, 1987, Prefabricated panelized nuclear-hardened shelter; Randley A. Smith, 52/169.6, 81.4, 293.1; 109/1S, 68, 79; 403/330 [IMAGE AVAILABLE]

7. 3,912,664, Oct. 14, 1975, Recovery of flexible and rigid materials from scrap polyvinylchloride, its copolymers and cogeners; Eugene Wainer, 521/46.5; 528/487, 491, 492, 495, 497, 498, 499, 501 [IMAGE AVAILABLE]

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